Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

GDIF 350

ELLIOTT TOWNSHIP

DISTRICT OF COCHRANE

Compiled by the Staff of
the Resident Geologist's Office
Kirkland Lake

LOCATION MAP Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 32D/5

Mining Claim Map Number

This project is part of Operation Black River-Matheson (BRIM) which was funded equally by the Ontario Ministry of Northern Development and Mines and the Ontario Ministry of Natural Resources.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1987: Elliott Township, District of Cochrane; Ontario Geological Survey, Geological Data Inventory Folio 350, compiled by the staff of the Resident Geologist's Office Kirkland Lake, 23 p. and 2 maps.

Original Compilation by: K.D. Kalicharran and B.J. Westin
October 22, 1986

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map 1
Exploration Data Map 1
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	W.J.D.
2	Assessment Files Research Office, Toronto	YES	P.E.S.
3	ODM General Index; 9 volumes	YES	P.E.S.
4	Catalogue of Airborne Geophysical Surveys (ODM)	NO	K.D.K.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	K.D.K
6	ODM Industrial Mineral Reports	NO	K.D.K.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	NO	W.J.D.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	W.J.D.
9	Newspaper Clippings File	YES	B.J.W.
10	GSC Index to Publications	NO	W.J.D.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	W.J.D.
12	OGS Index Maps	YES	K.D.K.
13	Source Mineral Deposit Records (O.G.S.)	YES	B.J.W.
14	Author - Subject Articles File	YES	K.D.K.
15	Miscellaneous Papers: ODM & OGS	NO	W.J.D.
16	ODM Geological Circulars: OGS Study Series	YES	K.D.K.
17	ODM Preliminary Reports: ODM Bulletins	YES	K.D.K.
18	ODM – OGS Open File Reports	YES	B.J.W.
19	OGS Northern Ontario Engineering Geology Terrain Studies	YES	B.J.W.
20	OGS Aggregate Resources Inventory Papers	NO	K.D.K.
21	OGS Mineral Potential Maps	NO	K.D.K.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
△ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
▲ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (fluorspar)
△ fu. . . . . .Fuchsite
△ gn. . . . . .Galena
△ gt . . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
△ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
△ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . .Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . .Millerite
△ mo . . . . . .Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
△ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . .Quartz
▲ qcv. . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . .Shale
△ sid . . . . . Siderite
△ si . . . . . Silica
▲ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod . . . . . Sodalite
▲ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd . . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . .Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps. or mentioned within eith
either Mineral Occurrences or the Drillhole Summary.

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MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Cameron, G. "Ghost Lake"	Au	C0210	OGS 1978, Rept.165 p.58-59 Resident Geologist Assessment files Kirkland Lake, Ont.	Assays from the diamond-drill holes indicate gold occurs mainly in finely pyritized rhyolite. The best assay was 0.034 ounce of gold per ton over a length of 35ft.
B	Randa, T.	Au,Ag	-	Redident Geologist Assessment Files Kirkland Lake, Ont.	Samples were assayed with best value 0.17oz Au/T from purple rhyolite with very finely disseminated pyrite. Best silver value 0.24oz Ag/T.
C	Boulder	Au	-	MRC 13 p.127	

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Cameron, G.			39 40 47	47	47		39 46 47 49												
2	Falconbridge Nickel Mines Ltd.											80	80							
3	Golden Harker Exploration Ltd.		85		84							85								
4	Goodfish Mining Company Ltd. (Cusco Mines Ltd,)	47																		
5	Hobbs, L.G.											84								
6	Perron, A.H. "Group 1"	83	83									82 83	82							
7	Perron, A.H. "Elliott North Group"	84										85	85							
8	Perron, A.H. "Little Elliott"											85	85							
9	Phelps-Dodge Corporation of Canada Ltd.												82							

ELLIOTT TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE KIRKLAND LAKE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
10	Randa, T.	80				80														
11	Stairs, I.C.	63																		
12	Union Mining Corp.				83 84								85							
13	Perrex Resources Inc. "Pothole Group"	85																		
14	Perrex Resources Inc. "Ghost Lake Area"								85	85										
15	Perrex Resources Inc. "Ghost River Area"								85	85										
16	Lac Minerals "Grid EL 4"											86								

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GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Cameron, G.	XR#1	10/47	105°	-45°	2'	102.5'	qcv,py	3'@0.023oz Au/t
2	" "	XR#2	10/47	105°	-45°	3.5'	102'	spec,py	4'@0.023oz Au/t
3	" "	XR#3	10/47	105°	-45°	2'	100'	-	Au
4	Golden Harker Expl. Ltd.	H-84-7	07/84	310°	-50°	6'	443'	py,qcv,ep mag,cp,po	Au
5	" " "	H-84-8	07/84	310°	-50°	3'	443'	py,ep,qcv	Au
6	Union Mining Corp.	UE8301	12/83	340°	-40°	11'	300'	qcv,mag,py,ep	-
7	" " "	UE8302	12/83	160°	-40°	2'	300'	py,qcv	
8	" " "	UE8303	12/83	100°	-45°	13'	697'	py,qcv,ep	

GDIF FORM NO. 1

† - Core stored at Swastika Drill Core Storage Library

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By Far	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
14	H. Ferderber Geophysics Perrex Resources Inc.	Magnetic (GEM GSM-18BA Proton Precession) Electromagnetic (Herz Totem 1A)	250'	NS	1/12 ml (440 ft)
15	H. Ferderber Geophysics Perrex Resources Inc.	Magnetic (GEM GSM-18BA Proton Precession) Electromagnetic (Herz Totem 1A)	250'	NS	1/12ml (440 ft)

GDIF FORM NO. 4

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GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
6	Humus Sampling	Au	Perron, A.H.	Resident Geologist files, Kirkland Lake, Ontario ODM
3	Humus Sampling	Au	Golden Harker/Lenora	Resident Geologist files, Kirkland Lake, Ontario ODM

GDIF FORM NO. 5

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO. 6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Kirkland Lake

Asbestos Corporation

NORTHERN DAILY NEWS - April 15, 1950

Coastoro Resources Ltd.

GEORGE CROSS NEWSLETTER - June 25, 1986

Golden Harker

NORTHERN MINER - August 26, 1982
- March 8, 1984
- May 31, 1984
- August 8, 1985

Kerr Addison

NORTHERN MINER - October 28, 1985

New Insco

NORTHERN MINER - Date unknown

ODM GENERAL INDEX SEARCH

Words searched: Elliott Township

Index Volume	Listing:	Report Volume	Part	Page
2	Elliott Tp., Coch.			
	Gold claims	34	6	86
3	Elliott Tp., Coch.			
	Description	37	3	21
	Map, geological	37	3	
5	Elliott Tp., Coch.			
	Gold Claims	60	7	44
8	Elliott, Tannahill & Dokis Tps., Coch. Dist.			
	Summary of field work, 1971			
	by L.S. Jensen	MP049		59-62
9	Elliott Tp., Cochrane Dist.			
	see also Elliott, Tannahill, Dokis &			
	Thackeray Tps., Cochrane Dist.			
	gold float	MDC017		46
	Elliott, Tannahill, Dokis & Thackeray			
	Tps., Coch. Dist.			
	Geology of the area			
	Report & maps 2367 & 2368 on, 1978			
	by L.S. Jensen	GR165		
	gold	GR165		50-63

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Boissoneau, A.N.	1965	Algoma-Cochrane Surficial Geology Ontario	ODL & F Map S365	1:506 880
Boissoneau, A.N.	1965	Algoma, Sudbury, Timiskaming and Nipissing Surficial Geology	ODL & F Map S465	1:506 880
Ginn, R.M.	1964	Timmins-Kirkland Lake Sheet, Cochrane, Sudbury and Timiskaming Districts	ODM Map 2046	1:253 440
Lumbers, S.B. Milne, V.G.	1976	Ontario Geological Map, East Central Sheet	OGS Map 2393	1:1 013 760
MERQ-OGS	1984	Lithostratigraphic Map of the Abitibi Subprovince	OGS Map 2484 Que Map DV83-16	1:500 000
Ministry of Natural Resources	1985	Ontario Mineral Map	ODM Map 2472	1:1 584 000
OGS	1980	Geological Highway Map, Northern Ontario	OGS Map 2440	1:1 600 000
Pyke, D.R., Ayres, L.D. & Innes, D.G.	1973	Timmins - Kirkland Lake, Geological Compilation Series, Cochrane, Sudbury and Timiskaming Districts	ODM Map 2205	1:253 440
		GEOPHYSICAL MAPS		
Data Plotting Services Inc.	1985	Matheson Black River Area (BRIM) Airborne Magnetic Survey Second Vertical Derivative based on OGS 1984 (BRIM airborne EM and magnetic survey by Questor Surveys)	MNDM Resident Geologist's Office, Kirkland Lake, Ontario	1:100 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Data Plotting Services Inc.	1985	Matheson Black River Area (BRIM) Magnetic Survey Total Field, based on OGS 1984 (BRIM airborne EM and magnetic survey by Questor Surveys)	MNDM Resident Geologist's Office, Kirkland Lake, Ontario	1:80 000
Dighem Surveys and Processing Inc.	1986	"Enhanced Shadow" Magnetics, Black River-Matheson Area (BRIM), based on OGS 1984 (BRIM airborne EM and magnetic survey by Questor Surveys)	MNDM Resident Geol. Office Kirkland Lake, Ontario	1:100 000
ODM-GSC	1951	Magusi River, Districts of Timiskaming and Cochrane	GSC Map 46G	1:63 360
ODM-GSC	1970	Noranda-Rouyn, Total Field Contour Map	GSC Map 7084G	1:250 000
ODM-GSC	1975	Magusi River West, Southeast Quarter, NTS 32D/5c	GSC Map 20 133G	1:25 000
ODM-GSC	1975	Magusi River West, Northeast Quarter, NTS 32D/5f	GSC Map 20 134G	1:25 000
ODM-GSC	1975	Magusi River West, Southwest Quarter, NTS 32D/5d	GSC Map 20 139G	1:25 000
ODM-GSC	1975	Magusi River West, Northwest Quarter, NTS 32D/5e	GSC Map 20 140G	1:25 000
OGS	1984	Airborne Electromagnetic and Total Intensity Magnetic Survey, Matheson-Black River Area, Elliott Township	OGS Map 80 609	1:20 000 1:31 680
OGS-GSC	1979	Airborne Gamma-ray Spectrometric Total Count, Noranda-Rouyn, NTS 32D/W	OGS Map 80 319 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-ray Spectrometric Potassium (percent) Noranda-Rouyn, NTS 32D/W	OGS Map 80 320 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-ray Spectrometric Uranium (eU), Noranda-Rouyn, NTS 32D/W	OGS Map 80 321 GSC Map 35432G	1:250 000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
OGS-GSC	1979	Airborne Gamma-ray Spectrometric Thorium (eTh), Noranda-Rouyn, NTS 32D/W	OGS Map 80 322 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-ray Spectrometric eU/Th Ratio, Noranda-Rouyn, NTS 32D/W	OGS Map 80 323 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-ray Spectrometric eU/K ratio, Noranda-Rouyn, NTS 32D/W	OGS Map 80 324 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-ray Spectrometric eTh/K Ratio, Noranda Rouyn, NTS 32D/W	OGS Map 80 325 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-ray Spectrometric Profiles of Integral U, Th, K, U/Th, U/K, Th/K for line 66(1), Rouyn Noranda, NTS 32D	OGS Map 80 328 GSC Map 35432G	1:250 000
OGS-GSC	1979	Airborne Gamma-ray Spectrometric Profiles of Integral U, Th, K, U/Th, U/K, Th/K, for line (67)2, Rouyn Noranda, NTS 32D	OGS Map 80 329 GSC Map 35432G	1:250 000
		GEOLOGICAL MAPS AND REPORTS		
Baker, C.L.	1980	Quaternary Geology of the Magusi River Area (32D/5), Districts of Cochrane and Timiskaming	OGS MP 96	p.112-113
Baker, C.L.	1981	Stratigraphy and Sedimentation in the Munro Esker, East of Kirkland Lake, Districts of Cochrane and Timiskaming	Summary of Field work OGS MP 100	p.128-130
Baker, C.L.	1982	Drift Thickness of the Magusi River Area, Cochrane and Timiskaming Districts	OGS Map P.2478	1:50 000

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Baker, C.L.	1982	Sand and Gravel Resources of the Magusi River Area, Cochrane and Timiskaming Districts	OGS Map P.2490	1:50 000
Baker, C.L.	1985	Quaternary Geology of the Kirkland Lake Area, Districts of Cochrane and Timiskaming	OGS OFR 5553	144pp.
Baker, C.L. McClenaghan, M.B. Steele, K.G.	1985	Reconnaissance Heavy Mineral and Geochemical Sampling of the Munro Esker, Lake Abitibi Area, Cochrane District	OGS MP 126	p.297-300
Baker, C.L. Steele, K.G. Seaman, A.A.	1982	Quaternary Geology of the Magusi River Area, Cochrane and Timiskaming Districts	OGS Map P.2483	1:50 000
Baker, C.L. Steele, K.G. McClenaghan, M.B.	1985	Reconnaissance Till Sampling Program, Matheson-Lake Abitibi Area, Cochrane District	OGS MP 126	p.329-333
Baker, C.L. Steele, K.G. McClenaghan, M.B.	1986	Gold Grains in Sonic Drill Core Samples (1985) from the Lake Abitibi-Matheson Area, District of Cochrane	OGS Map P.2958	1:100 000
Ferguson, S.A. Freeman, E.B.	1978	Ontario Occurrences of Float, Placer Gold and Other Heavy Minerals	OGS Min. Dep. Circ. 17	p.46
Ferguson, S.A. Groen, H.A. Haynes, R.	1971	Gold Deposits of Ontario	ODM Min. Res. Circ. 13, pt.1	315pp.

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Geissman, J.W. Strangway, D.W. Tasillo, A.M. Jensen, L.S.	1981	Paleomagnetism of Late Archean Metavolcanics and Metasediments, Abitibi Orogen, Canada I. Tholeiites of the Kinojevis Group.	OGS OFR 5365 Can. Jour. of Earth Sci. v.19	p.210-2113
Ginn, R.M. Leahy, E.J. Savage, W.S.	1962	Munro-Pontiac Sheet, District of Cochrane	ODM Map P.120	1:63 360
Gledhill, T.L.	1925	Lightning River Area, Cochrane District Ontario	ODM AR v.34, pt.6 Map 34A	p.86-98 1"-1mi.
Gledhill, T.L.	1929	Ben Nevis, Munro, Kamiskotia and Other Base Metal Areas, District of Cochrane and Timiskaming	ODM AR v.37, pt.3	p.1-52
Jensen, L.S.	1971	Elliott Township, District of Cochrane	ODMNA Map P.705	1:15 840
Jensen, L.S.	1971	Dokis, Thackeray, Elliott and Tannahill Townships	ODMNA MP 49	
Jensen, L.S.	1976	Thackeray, Elliott, Tannahill and Dokis Townships, NTS 32D/5, Cochrane District, Ontario	ODM OFR 5159	
Jensen, L.S.	1977	Thackeray and Elliott Townships, District of Cochrane	OGS Map 2368	1:31 680
Jensen, L.S.	1978	Geology of Thackeray, Elliott, Tannahill & Dokis Twps. NTS 32D/5, 42A/8, Cochrane District, Ontario	OGS GR 165 Map 2367 2368	71pp. 1:31 680 1:31 680

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Jensen, L.S.	1982	Precambrian Geology of the Magusi River Area, Cochrane and Timiskaming Districts	OGS Map P.2434	1:63 360
Jensen, L.S. Baker, C.L.	1986	Preliminary Results of Bedrock Samples from the Sonic Drilling Program (1985) in the Lake Abitibi-Matheson Area	OGS Map P.2986	1:100 000
Jensen, L.S. Langford, F.F.	1985	Geology and Petrogenesis of the Archean Abitibi Belt in the Kirkland Lake Area, Ontario	OGS MP 123	130pp.
Lee, H.A.	1979	Northern Ontario Engineering Geology Terrain Study, Data Base Map, Larder Lake	OGS Map 5031	1:100 000
Letros, S.	1981	Geological Interpretation of High Resolution Aeromagnetics Data in the Kirkland-Larder Lake Area	Canadian Journal of Earth Sci. v.20 OGS OFR 5365	p.548-560
Lovell, H.L. Grabowski, G. Guindon, D.	1985	Kirkland Lake Resident Geologist Area Northern Region	OGS MP 122	p.162-196
Mossman, D.J. Dexter Dyer, B.	1985	The Geochemistry of Witwatersrand-type Gold Deposits and the Possible Influence of Ancient Prokaryotic Communities.	Precam. Res. v.30	p.303-319
OGS	1984	Ontario Mineral Deposit Inventory	OGS OFR 5470	p.80
Ploeger, F. Grabowski, G.	1978	Elliott Twp. NTS 32D/5SW, 42A/82E Cochrane District, Ontario Kirkland Lake Data Series	OGS Map P.2288	1:15 840

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Satterly, J.	1952	Geology of Harker Township, District of Cochrane Ontario	ODM AR v.60, pt.7 Map 1951-4	1:12 000
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Geissman, J.W. Strangway, D.W. Tasillo-Hirt, A.M. Jensen, L.S.	1982	Paleomagnetism of Late Archean Metavolcanics and Metasediments, Abitibi Orogen, Canada: Volcanics of the Blake River Group	Can. Jour. of Earth Sci. v.19 OGS OFR 5365	p.2100-2113
Letros, S.	1981	Geological Interpretation of High Resolution Aeromagnetic Data in Kirkland-Larder Lake Area	Msc. Thesis U of T OGS OFR 5365	
Letros, S. Strangway, D.W. Tasillo-Hirt, J. Geissman, J.W.	1983	Aeromagnetic Interpretation of the Kirkland Lake-Larder Lake Portion of the Abitibi Greenstone Belt, Ontario	Can. Jour. of Earth Sci. v.20 OGS OFR 5365	p.548-560
Strangway, D.W. Letros, S., Bambrick, J. Tasillo, A.M. Geissman, J.W., Jensen, L.	1981	Grant #20 Magnetism and Stratigraphy in the Blake River Volcanics	OGS OFR 5365	
Tasillo, A.	1981	Paleomagnetism of the Blake River Group, Abitibi Greenstone Belt, Ontario	Msc. Thesis U of T OGS OFR 5365 Can. Jour. of Earth Sci.	p.2110-2113

ELLIOTT TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO. 9

NOTES AND ADDENDA

Aerial Photography
on file in Kirkland Lake
Resident Geologist's Office

YEAR	ROLL	FLIGHT LINE	PHOTO
1971	4816	43	70
	4816	43	71
	4816	43	72
	4816	43	73
	4816	43	74
	4816	43	75
1971	4817	9	254
	4817	9	255
	4817	9	256
	4817	9	257
	4817	9	258
	4817	9	259
	4817	9	261
1971	4818	9	156
	4818	9	157
	4818	9	158
	4818	9	159
	4818	9	160
	4818	9	161
	4818	9	162
1971	4819	26	157
	4819	26	158
	4819	26	159
	4819	26	160
	4819	26	161
	4819	26	162
1980	4815	1	9
	4815	1	10
	4815	1	11
	4815	1	12
	4815	1	13
	4815	1	14
	4815	1	15
1980	4816	2	91
	4816	2	92
	4816	2	93
	4816	2	94
	4816	2	95
1980	4817	2	118
	4817	2	119
	4817	2	120
	4817	2	121
	4817	2	122
	4817	2	123

NOTES AND ADDENDA

	4817	2	124
	4817	2	125
1980	4818	2	151
	4818	2	152
	4818	2	153
	4818	2	154
	4818	2	155
	4818	2	156

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 350

(Map 1 of 2)

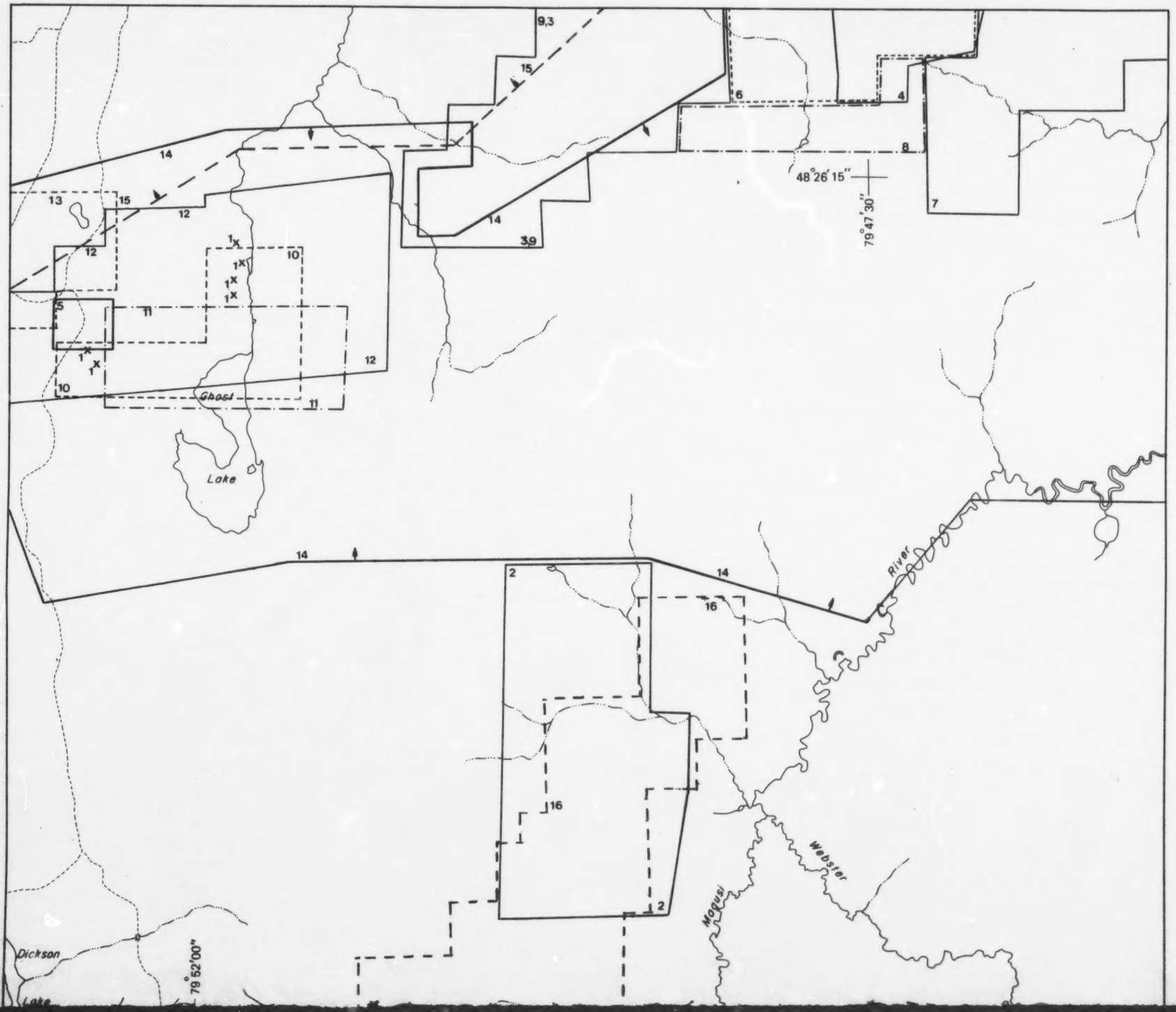
ELLIOTT TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0,5 0 0,5 1 Kilometre

Mile 0,5 0 0,5 1 Mile



EXPLORATION DATA FILE AREAS

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 350

(Map 1 of 2)

ELLIOTT TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

48°26'15"

79°47'30"

48°22'30"

79°52'00"

Lake

Ghost

Lake

Dickson

Lake

River

Mogusi

Webster

EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

■ x ④ Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horzontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
  property no.
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 350

(Map 2 of 2)

ELLIOTT TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number

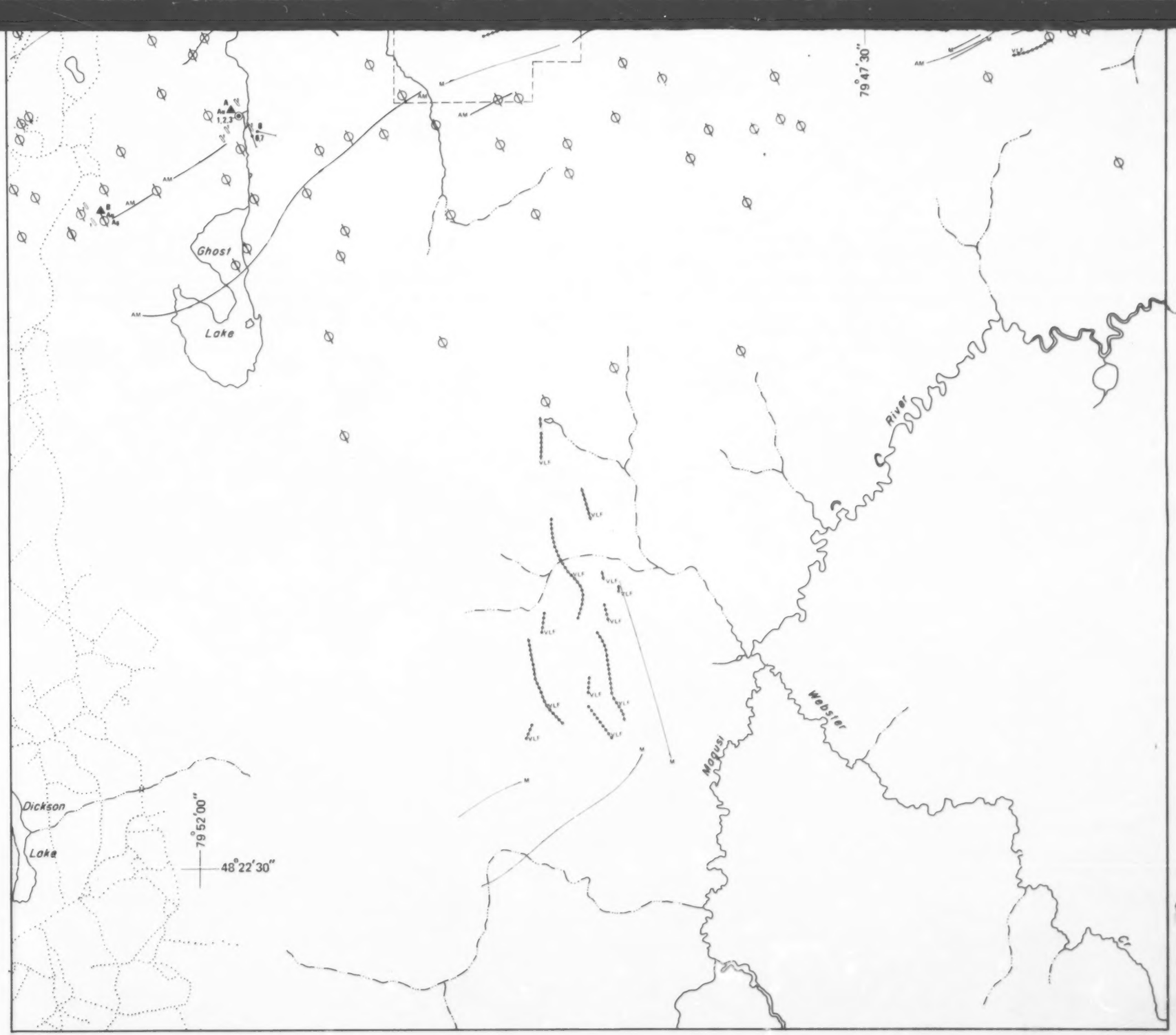
GEOPHYSICAL ANOMALIES

- ■ AM — Airborne magnetic anomaly
- □ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ■ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ■ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- □ ARA — Airborne radiometric anomaly
- ■ M — Ground magnetic anomaly
- ■ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horzontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- □ RA — Ground radiometric anomaly
- □ IP — Induced polarization anomaly
- □ SP — Self potential anomaly
- □ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- □ R — Resistivity anomaly
- □ GR — Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
  property no.
- □ Adit
- □ Open pit
- □ Rock quarry
- □ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



ELLIOTT TOWNSHIP

DISTRICT OF COCHRANE

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- Cp A. — Mineralized float with reference letter

DRILLHOLE

- ●² — Location of single drillhole, with reference number
- ◉² — Location of closely spaced group of drillholes, with reference number
- (?)² — Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- ○² — Property with drillholes which have not been plotted on map, with reference number
- ⊕² — Reverse circulation drillhole; churn drilling, with reference number

Ghost Lake

River

Mousi

Webster

79°47'30"

79°52'00"

48°22'30"